COMMONWEALTH BUREAU OF PASTURES AND FIELD CROPS
REF.
RECD. 3 OCT 1957
Ab. by
DATE
Ab. articles: PP.

HERBAGE REVIEWS

VOL. 5. NOS. 1—4.

1937

Herbage Publication Series

PUBLISHED BY THE

IMPERIAL BUREAU OF PLANT GENETICS: HERBAGE PLANTS

ABERYSTWYTH, GREAT BRITAIN

Digitized by the Internet Archive
in 2025

https://archive.org/details/herbage-reviews_1937_5_index-contents

Aegilops, 61
Aeluropus
A. litoralis, 128
Agropyron, 61, 62, 63, 114, 129
A. ciliolatum, 129
A. cristatum, 8, 62, 109, 111, 122, 129
A. desertorum, 122, 129
A. elongatum, 62
A. elongatiforme, 129
A. ferganense, 129
A. fibrosum, 129
A. glaucum, 63
A. Gmelinii, 129
A. intermedium, 109
A. jacutense, 129
A. lolioides, 129
A. macrourum, 129
A. pauciflorum, 8
A. pseudoagropyrum, 128
A. ramosum, 128
A. regneria, 63
A. repens, 42
A. Schrenkianum, 129
A. sibiricum, 128
A. spicatum, 164
A. tenerum, 62, 116, 129
A. trichophorum, 128
A. uganicum, 129
Agrostis, 115, 195, 198, 213
A. alba, 8
A. canina, 28, 196
A. stolonifera, 28, 189
A. tenuis, 28, 196
Alchemilla, 79, 80, 81, 82
A. pastoralis, 79
Alhagi
A. camelorum, 130
Alnus, 112
A. viridis, 112
Alopecurus, 115
A. brachystachyus, 129
A. laxiflorus, 129
A. pratensis, 28, 30, 139, 140
A. seravschanicus, 129
A. soongoricus, 129
A. ventricosus, 128
Althaea
A. nudiflora, 131
Amphilophis
A. pertusa, 98, 100
Andropogon
A. contortus, 39, 40
A. rufus, 116
A. scoparius, 106
A. sorghum, 39, 40
A. sorghum var. *Sudanensis*, 39
Antennaria, 79, 81, 82
Apera
A. spica venti, 61
Arctophila
A. fulva, 129
Aristida, 14, 106
A. Karelini, 129
A. pennata, 129
Arrhenatherum, 112
A. elatius, 9, 112, 114
Artemisia, 131
A. austriaca, 131
A. compestris, 131
A. filifolia, 106
A. fragrans, 131
A. herba alba, 131
A. Lessingiana, 131
A. maritima, 131
A. pauciflora, 131
Arundinella
A. anomala, 129
Astragalus
A. adsurgens, 130
A. amygdalinus, 130
A. confirmans, 130
A. managildensis, 130
A. retamocarpus, 130
A. sinensis, 172
A. squarrosus, 130
A. sulcatus, 130
A. uliginosus, 130
A. ussuriensis, 130
Atriplex, 158, 159
A. canescens, 8
A. hastata, 131
A. laciniata, 130
A. nitans, 131
A. numularia, 101
Atropis
A. convoluta, 128
A. distans, 129
Avena
A. elatior, 114
A. sativa, 39
A. sterilis, 39

Beckmannia
B. eruciformis, 112
Bellis, 194
Bouteloua, 8

B. curtipendula, 111
B. eriopoda, 8
B. gracilis, 106, 111
Brachiaria, 41
B. brizantha, 42, 99, 100
Brachychiton
B. rupestra, 101
Brachypodium
B. phoenicoides, 109
Brassica, 203
B. Chinensis, 203
B. campestris, 203
B. glauca, 203
B. nipposinica, 203
B. oleracea, 211
B. pekinensis, 203
B. rapa, 203
Bromus, 62, 63, 114, 142
B. brizaeformis, 109
B. carinatus, 8
B. inermis, 8, 42, 55, 62, 114, 135, 137, 138, 142, 144
B. macrostachys, 109
B. marginatus, 100
B. unioloides, 42
Buchloë
B. dactyloides, 106, 111

Cajanus
C. indicus, 40
Calamagrostis
C. Langsdorffii, 129
C. neglecta, 28
Carduus, 194
Carex, 29, 30
C. flexuosa, 47
Carum
C. caucasicum, 130
Cenchrus, 41, 42
C. ciliaris, 63, 100
Ceratocarpus
C. arenarius, 131
Chamaesciadium
C. acaule, 131
Chenopodium
C. album, 131
Chloris, 42
C. gayana, 39, 40, 42, 98, 99, 100, 117
Chondrilla, 131
C. brevirostis, 131
C. ambigua, 131
C. juncea, 131
C. pauciflora. 131
Chrysanthemum, 38
Cicer
C. arietinum, 40
Cichorium, 131
Cirsium
C. palustre, 80
Convolvulus
C. arvensis, 38
C. divaricatus, 131
C. sepium, 38
Corispermum
C. aralocaspicum, 131
Crambe
C. Kotschyana, 131
C. tatarica, 131
Crepis, 131, 194
Cryptospora
C. falcata, 131
Cuscuta, 115
Cyamopsis
C. psolarioides, 39, 40
Cynodon, 19, 107
C. plectostachyum, 99
Cynosurus, 112
C. cristatus, 49

Dactylis, 112, 114, 142, 213
D. glomerata, 26, 28, 91, 93, 100, 139, 140, 142, 158
Danthonia, 158, 159
D. compressa, 47
D. Richardsoni, 109
D. semiannularis, 109
Deschampsia
D. caespitosa, 28, 198
D. flexuosa, 28, 79, 196
Desmodium, 197
Dichapetalum
D. cymosum, 41
Digitaria, 41, 42, 43
D. Pentzii, 42
D. scalarum, 99
Disperma
D. trachyphyllus, 101

Echinochloa, 41, 42
Ehrharta
E. calycina, 42
E. erecta, 109
Elymus, 63
E. dauricum, 62
E. giganteus, 129
E. junceum, 62

E. junceus, 129
E. sibiricum, 62, 129
Eragrostis
E. minor, 129
E. tenuifolia, 99
E. virescens, 109
Euchlaena
E. mexicana, 39, 40

Ferula
F. caratavica, 131
F. foetida, 131
Festuca, 114, 142
F. arundinacea, 114
F. elatior, 9
F. heterophylla, 129
F. idahoensis, 164
F. mairei, 109
F. montana, 129
F. ovina, 28, 29, 30, 31, 79, 196
F. pratensis, 26, 28, 100, 114, 116, 142
F. rubra, 28, 91, 92, 93, 109
F. sulcata, 128

Galega
G. orientalis, 129
Galium
G. uliginosum, 80
Gamanthus
G. ovinus, 131
Geranium
G. collinum, 131
Glycine
G. hispida, 39, 40
Glycyrrhiza
G. glabra, 130

Hedysarum, 173
Helianthus
H. annuus, 39, 40, 211
Heteropogon, 41
Hieracium, 131
Holcus
H. lanatus, 158, 195
Hordeum
H. Bogdanii, 129
H. bulbosum, 129
H. murinum, 158
H. pratensis, 62
H. secalinum, 62
H. violaceum, 129
Hyparrhenia
H. filipendula, 99
H. Ruprechtii, 99
Hypochoeris, 194

Indigofera
I. tettensis, 98
Isatis
I. costata, 131
I. violascens, 131

Juniperus
J. nana, 112

Knautia
K. arvensis, 80
Kochia
K. prostrata, 130

Lactuca, 109, 131
Lampsana, 131
Lasiagrostis
L. splendens, 129
Lathyrus, 55
L. Gmelini, 130
L. Mulkak, 130
L. tuberosus, 38
Leontodon, 131, 194
Lepidium
L. vesicarium, 131
Lespedeza, 98, 197
L. bicolor, 111
L. sericea, 111
L. stipulacea, 9, 111
L. striata, 111
Lolium, 159, 168, 173
L. italicum, 100, 114
L. multiflorum, 158
L. perenne, 54, 60, 100, 109, 112, 116, 158, 189
L. subulatum, 158, 159, 160
Lotus
L. corniculatus, 42, 114
Lupinus, 60
L. albus, 54, 55
L. angustifolius, 54, 61
L. luteus, 54, 61

Malcolmia, 131
Malva
M. verticillata, 54, 131
Medicago, 53, 54, 55, 60, 113, 129, 170, 173, 197, 200
M. coerula, 129
M. denticulata, 158, 202

M. Dzvachetica, 129
M. falcata, 55, 62, 87, 122
M. hemicycla, 130
M. lupulina, 173
M. media, 55, 87
M. polychroa, 130
M. sativa, 62, 87, 117, 211
Megacarpaea
M. laciniata, 131
Melilotus, 62
M. officinalis, 211
M. parviflora, 39
M. wolgicus, 130
Melinis
M. minutifolia, 99, 100, 117
Miscanthus
M. sinensis, 212
Molinia
M. caerulea, 195
Mucuna, 117
Mulgedium, 131

Nardus, 79, 81, 82, 196, 206

Olea
O. cuspidata, 75
Onobrychis, 63
O. altissima, 130
O. Biebersteinii, 130
O. iberica, 130
O. oxytropoides, 130
O. sativa, 42, 173, 184
O. transcaucasica, 130
Opuntia, 41, 174
O. aurantiaca, 41
Ornithopus
O. sativus, 55, 61, 172
Oryza
O. sativa, 40
Oryzopsis
O. miliacea, 109

Panicum, 41, 42
P. deustum, 42
P. maximum, 39, 40, 117
P. trichocladum, 100
Paspalum, 42
P. dilatatum, 40, 42, 99
P. larrangai, 40
Pennisetum, 100
P. cenchroides, 39
P. clandestinum, 40, 98, 99, 101, 117
P. purpureum, 39, 40, 42
P. Schimperi, 100
Phalaris
P. arundinacea, 54, 142
P. coerulescens, 109
P. minor, 158
P. stenoptera, 109
P. tuberosa, 42, 100, 158, 159, 200, 202
Phaseolus, 114, 168
P. aconitifolius, 39, 40
P. mungo, 40
P. radiatus, 40
Phleum, 142, 213
P. pratense, 8, 18, 26, 28, 29, 30, 31, 54, 55, 59, 91, 93, 112, 133, 136, 137, 138, 139, 140, 142, 143, 144
Phytolacca
P. dioica, 101
Picris, 131
Pisum, 40, 113
Plantago, 109
P. lanceolata, 194
P. saxatilis, 131
Pleurozium
P. Schreberi, 79
Poa
P. alpina, 32, 33, 129
P. annua, 60, 204, 205
P. bulbosa, 128
P. compressa, 9
P. fertilis, 112
P. longifolia, 129
P. nemoralis, 28
P. palustris, 28
P. pratensis, 8, 26, 28, 29, 30, 31, 32, 33, 52, 54, 55, 91, 92, 93, 112, 135, 142, 164, 205
P. sibirica, 129
P. stepposa, 129
P. supina, 204, 205
P. tibetica, 129
P. trivialis, 26, 28, 189
Podospermum, 131
P. laciniatum, 131
Polygonum, 109
P. arenarium, 130, 131
P. aviculare, 130
Pueraria
P. thunbergiana, 39

Quercus
Q. dilatata, 75
Q. ilex, 75
Q. incana, 75

Q. semicarpifolia, 75

Rheum
R. tataricum, 131
Rhytidiadelphus
R. squarrosus, 79

Salsola
S. carinata, 131
S. gemmascens, 131
S. rigida, 131
S. sclerantha, 131
Scaligeria
S. allioides, 131
Scolochloa
S. festucacea, 129
Scorzonera
S. hispanica, 131
Secale, 61
S. Kuprijanovii, 129
Setaria, 41, 42, 100
S. perennis, 43
Sesbania
S. Aegyptiaca, 40
Sonchus, 131
S. arvensis, 131
Sorghum
S. durra, 74
Spinacia
S. tetrandra, 131
Spirorhynchus
S. sabulosus, 131
Stipa
S. nitida, 109
Stizolobium
S. deeringianum, 39
Stylosanthes, 197

Themeda, 41, 42
T. australis, 109
T. triandra, 42, 43, 99, 100, 107, 174
Thuidium
T. abietinum, 79
Tragopogon, 131
T. orientalis, 131
T. pratensis, 131
Trichopteryx
T. kagerensis, 99
Trifolium, 109, 114, 159, 170
T. alexandrinum, 39, 74, 173
T. ambiguum, 130
T. fragiferum, 158, 200
T. hybridum, 26, 28, 54, 55, 59
T. incarnatum, 55, 173
T. Johnstonii, 98, 101
T. pratense, 26, 28, 38, 42, 59, 80, 113, 115, 116, 168, 208, 213
T. repens, 28, 42, 45, 54, 55, 59, 61, 116, 158, 189, 197, 213
T. resupinatum, 74
T. spadiceum, 80
T. subterraneum, 51, 158, 159, 160, 197, 200, 201, 202
Trigonella
T. foenum graecum, 37, 38, 39
T. Lipskyi, 129
Trisetum, 112
Triticum, 62, 63, 114
T. vulgare, 62

Urtica
U. cannabina, 130

Vicia, 55, 63
V. villosa, 55
Vigna, 130, 168
V. catjang, 39
V. Faba, 173
V. japonica, 130
V. picta, 130
V. sativa, 173
V. sinensis, 40, 117
V. variabilis, 130

Yucca, 106

Zea
Z. Mays, 211

HERBAGE REVIEWS—1937—SUMMARY OF CONTENTS.

Articles. *Page.*

Range Research in the United States. W. R. Chapline ..... 1—13
The Canadian Seed Growers' Association. W. T. G. Wiener ..... 14—18
The artificial drying of grass in Britain. E. J. Roberts ..... 65—73
The foothills grazing problem in India. R. Maclagan Gorrie ..... 74—8
"Inventorization" of herbage plants of the natural grasslands in the Soviet Union. I. V. Larin ..... 121—7
New fodder plants of the Soviet Union. I. V. Larin ..... 128—31
Theoretical aspects of grassland farming. S. P. Smelov ..... 132—45
Vernalization of seed during ripening and its significance in practice. I. A. Kostjučenko and T. Ja. Zarubailo ..... 146—57
The importance of soil erosion for the intensification of field husbandry in Turkey. F. Christiansen-Weniger ..... 175—86
Methods used in scientific plant sociology and in agricultural botanical grassland research. D. M. de Vries ..... 187—93
Modern concepts of grassland improvement. W. Davies ..... 194—9

Bibliography.

Bibliography on herbage and forage Gramineae. 5. *Cynodon* ..... 19—24

Reviews.

Effect of superphosphate on botanical composition ..... 25—31
An artificial hybrid between *Poa pratensis* and *P. alpina* ..... 32—3
A regularity in time of flowering of perennial plants ..... 34—9
Morphological diagnosis in intraspecific systematics ..... 37—8
Fodder crops in India ..... 39—40
Progress in agricultural research in the Union of South Africa ..... 41—4
Roots of meadow plants in different habitats ..... 79—82
The hormone theory of vernalization ..... 83—6
Influence of external factors on seed-setting in lucerne ..... 87—90
Nitrogen on seed plots of *Festuca rubra* and *Poa pratensis* ..... 91—3
Methods of estimating yield of grassland ..... 94—7
Grassland research in Kenya ..... 98—101
Soil Conservation Service ..... 102—5
Wind erosion in the Southern Great Plains ..... 106—7
Measurement of xerophytism in selected pasture grasses ..... 108—10
Water requirements of pasture plants ..... 158—60
Determination of winter hardiness by germinating seeds in sugar and salt solutions 161
Associated growth of herbage plants ..... 200—2
The species concept as an ecologic-geographic system ..... 202—4
Distribution of *Poa supina* in Scandinavia ..... 204—5

Conferences.

Oslo, 1936 45
Atlantic City, 1936-37 ..... 45—6
Atlantic City, 1936-37 ..... 47—9
Auckland, 1937 49
Aberystwyth, 1937 ..... 49—52
Moscow, 1936 ..... 118—20

U.S.A., 1936. Saratov, U.S.S.R., 1937. Moscow, U.S.S.R., 1937 and 1938. Czechoslovakia, 1937. Aberystwyth, 1937. Nottingham, 1937. Uppsala, 1938 ..... 162—9
Brazil, 1936. Czechoslovakia, 1937. Vienna, 1937. Berlin, 1937. Calcutta, 1938. Oxford, 1938. Edinburgh, 1939 ..... 206—9

Annotations.

Great Britain, Germany, Finland, Norway ..... 53—8
Sweden, Holland, U.S.S.R. (Siberia) ..... 58—63
Tanganyika Territory, U.S.A. ..... 63—4
Great Britain, Czechoslovakia, France ..... 111—3
U.S.S.R., Sweden, Holland ..... 113—6
U.S.S.R. (Siberia), Brazil ..... 116—7
France, Norway, Denmark, Holland, China, Algeria, South Africa, Pernambuco ..... 170—4
Great Britain, Germany, Spain, Esthonia, Netherlands, Japan ..... 210—13